

Title (en)
PNEUMATIC TIRE, AND PNEUMATIC TIRE PRODUCTION METHOD

Title (de)
LUFTREIFEN UND VERFAHREN ZUR HERSTELLUNG EINES LUFTREIFENS

Title (fr)
PNEUMATIQUE ET PROCÉDÉ DE PRODUCTION DE PNEUMATIQUE

Publication
EP 3135465 A1 20170301 (EN)

Application
EP 15783251 A 20150421

Priority
• JP 2014088435 A 20140422
• JP 2014094779 A 20140501
• JP 2015062129 W 20150421

Abstract (en)
In a tire having a belt ply that is formed from ply strips arranged at intervals in the tire circumferential direction, in order to prevent deterioration in durability when high modulus organic fibers are used in a band cord, said tire is provided with a belt layer comprising a belt ply, and a band layer comprising a band ply positioned to the outside of the belt layer in the radial direction. The belt ply is formed by a plurality of ply strips, which are narrow and have a prescribed length, arranged side-by-side with intervals therebetween in the tire circumferential direction. The band ply is formed by a ply tape, which is narrow and long, wound spirally in the tire circumferential direction. The band cord comprises a composite cord in which first strands, which comprise high modulus organic fibers, and second strands, which comprise low modulus organic fibers and are narrower than the first strands, are twisted together.

IPC 8 full level
B29D 30/16 (2006.01); **B60C 9/00** (2006.01); **B60C 9/20** (2006.01); **B60C 9/22** (2006.01)

CPC (source: EP US)
B29D 30/16 (2013.01 - EP US); **B60C 9/023** (2013.01 - EP US); **B60C 9/20** (2013.01 - US); **B60C 9/2003** (2013.01 - US); **B60C 9/2009** (2013.01 - EP US); **B60C 9/2204** (2013.01 - EP US); **B60C 2009/2035** (2013.01 - EP US); **B60C 2009/208** (2013.01 - EP US); **B60C 2009/2093** (2013.01 - EP US); **B60C 2009/2214** (2013.01 - EP US); **B60C 2009/2257** (2013.01 - EP US); **B60C 2009/2261** (2013.01 - EP US); **B60C 2009/2271** (2013.01 - EP US); **B60C 2009/2285** (2013.01 - EP US); **B60C 2011/0341** (2013.01 - EP US)

Cited by
FR3102095A1; CN114761253A; WO2021074511A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3135465 A1 20170301; **EP 3135465 A4 20171206**; **EP 3135465 B1 20211215**; CN 106163780 A 20161123; CN 106163780 B 20190101; US 2017100964 A1 20170413; WO 2015163325 A1 20151029

DOCDB simple family (application)
EP 15783251 A 20150421; CN 201580018060 A 20150421; JP 2015062129 W 20150421; US 201515128729 A 20150421